CONTENTS OF VOLUME 30, 1962

NUMBER 1, JULY

COMMENTARY

Determinations of Bilirubin in Serum as the Criterion for Exchange Transfusion—*R. J. McKay, Jr., M.D.* 1

ARTICLES

A Difference in the Incidence of Hyperbilirubinemia among Premature Infants in Two Hospitals—*Jerold F. Lucey, M.D., Carol L. Phillips, M.D., James G. Utterback, M.D., and R. James McKay, Jr., M.D.* 3

Analysis of a Bilirubin Survey—*Milton Westphal, M.D., Ellenmae Viergiver, Ph.D., and Robert Roth, M.D.* 12

Medical Therapy of Thyrotoxicosis in Children—*Wellington Hung, M.D., Lawson Wilkins, M.D., and Robert Blizzard, M.D.* 17

The Thyroid in Children. II. In Vitro Erythrocyte Uptake of Radioactive L-Triiodothyronine—*Ralph H. Kunstadter, M.D., Harvey Buchman, M.D., Morad Jacobson, M.D., and Leo Oliner, M.D.* 27

Congenital Heart Block with Fatal Adams-Stokes Attacks in Childhood—*Marian E. Molthan, M.D., Robert A. Miller, M.D., Alois R. Hastreiter, M.D., and Milton H. Paul, M.D.* 32

A 20-year Follow-up Study of "Innocent" Murmurs—*Carl J. Marienfeld, M.D., Norman Telles, M.D., Jack Silvers, M.D., and Marie Nordsieck, B.A.* 42

Abnormal Occurrence of the Ulnar Nerve—Hypothenar Muscle H-reflex in Sydenham's Chorea—*Robert Hodes, Ph.D., Irwin Gribetz, M.D., and Horace L. Hodes, M.D.* 49

Craniostenosis. Review of the Literature and Report of Thirty-four Cases—*John Mark Freeman, M.D., and Shirley Borkowf, M.B., B.Ch., D.C.H.* 57

Enteric Candidiasis. Diagnosis and Clinical Considerations—*Philip J. Kozinn, M.D., and Claire L. Taschdjian, B.Sc., M.S.(Ed.)* 71

The Parents' Reaction to the Birth and Early Care of Children with Cleft Palate—*Veronica B. Tisza, M.D., and Elizabeth Gumpertz, M.S.W.* 86

Paternal Deprivation—A Disturbance in Fathering. A Report of Nineteen Cases—*Morris Green, M.D., and Patricia Beall, M.A.* 91

The Physician's Children as Patients—*John H. Kennell, M.D., and Willard D. Boaz, M.D.* 100

Should Not Physicians' Families be Allowed the Comfort of Paying for Medical Care?—*Benjamin M. Spock, M.D.* 109

Lung Volume in the Newborn Infant—*M. Klaus, W. H. Tooley, K. H. Weaver, and J. A. Clements* 111

Ventilatory Studies in Preschool Children. I. Peak Expiratory Flow Rate in Normal and Abnormal Preschool Children—*Luis M. Rivera, M.D., and Gordon L. Snider, M.D.* 117

Hepatic Carbohydrate Metabolism in the Genesis of Neonatal Hypoglycemia. Effects of the Administration of Epinephrine, Glucagon, and Galactose—*Paula Bocsor Mulligan, M.D., and Robert Schwartz, M.D.* 125

Essential Fatty Acids in Premature Infant Feeding—*Mollie A. Combes, M.D., Edward L. Pratt, M.D., and Hilda F. Wiese, Ph.D.* 136

Prenatal and Neonatal Nutrition. Borden Award Address—*Clement A. Smith, M.D.* 145

AMERICAN ACADEMY OF PEDIATRICS

President's Message—President John F. Kennedy's Health Message to the Congress—*Carl C. Fischer, M.D.* 157

LETTERS TO THE EDITOR 159

NEWS AND ANNOUNCEMENTS 161

BOOK REVIEWS 99, 135

RESÚMENES EN ESPAÑOL 163

CONTENTS OF VOLUME 30

NUMBER 2, AUGUST

COMMENTARY

The Sweat Test—*Harry Shwachman, M.D.* 167

ARTICLES

Effect of Age, Sex, and Cystic Fibrosis on the Sodium and Potassium Content of Human Sweat—*Charles C. Lobeck, M.D., and Dorothy Huebner, B.S.* 172

Studies in Experimental Hypertonicity. II. Hypertonicity of Body Fluids as a Cause of Acidosis—*Juan F. Sotos, M.D., Philip R. Dodge, M.D., and Nathan B. Talbot, M.D.* 180

Diphtheria in the United States, 1959-1960—*Theodore C. Doege, M.D., Clark W. Heath, Jr., M.D., and Ida L. Sherman, M.S.* 194

Klebsiella-Aerobacter Pneumonia in Infants. A Review of the Literature and Report of a Case—*Manning Michael Thaler, M.D.* 206

Unclassified Mycobacteria as a Causative Agent in the Positive Tuberculin Reaction—*Edwin L. Kendig, Jr., M.D.* 221

Idiopathic Retroperitoneal Fibrosis. Report of First Case Observed in a Child—*John Farrer, M.D., and Carl G. Peterson, Jr., M.D., Capt., USAF (MC)* 225

Pilomatrixoma (Calcifying Epithelioma) in Children—*Ozdemir Bingul, M.D., James H. Graham, M.D., and Elson B. Helwig, M.D.* 233

The Value of Serial Catecholamine Determinations in Children with Neuroblastoma. Report of a Case—*Mary L. Voorhess, M.D., and Lytt I. Gardner, M.D.* 241

Acute Idiopathic Renal Vein Thrombosis in Infants—*Harry C. Miller, M.D., and John A. Benjamin, M.D.* 247

Left Heart Catheterization in Infants and Children—*Edwin C. Brockenbrough, M.D., Eugene Braunwald, M.D., John Ross, Jr., M.D., and Andrew G. Morrow, M.D.* 253

The Distribution of Fetal Hemoglobin in the Blood of Normal Children and Adults—*Alvin Zipursky, M.D., Peter J. Neelands, M.D., Janet Pollock, Bruce Chown, M.D., and Lyonel G. Israels, M.D.* 262

Giant Bullous Emphysema Occurring in Tuberculosis in Childhood—*Milton B. Kress, M.D., and A. H. Finkelstein, M.D.* 269

Intrapulmonic Neurogenic Tumor—*B. Y. Lee, M.D., and V. Tchertkoff, M.D.* 278

Pediatric Care for Migrant Workers: An Opportunity for Teaching and Investigation—*William H. Bergstrom, M.D., and Leo B. Devlin, M.S., M.D.* 284

SPECIAL ARTICLES

Percutaneous Renal Biopsy in Children. I. General Considerations—*W. F. Dodge, M.D., C. W. Daeschner, Jr., M.D., J. C. Brennan, M.B., M.B.Ch., H. S. Rosenberg, M.D., L. B. Travis, M.D., and H. C. Hopps, M.D.* 287

Percutaneous Renal Biopsy in Children. II. Acute Glomerulonephritis, Chronic Glomerulonephritis, and Nephritis of Anaphylactoid Purpura—*W. F. Dodge, M.D., C. W. Daeschner, Jr., M.D., J. C. Brennan, M.B., M.B.Ch., H. S. Rosenberg, M.D., L. B. Travis, M.D., and H. C. Hopps, M.D.* 297

REVIEW ARTICLE

The Alveolar Lining Layer. A Review of Studies on Its Role in Pulmonary Mechanics and in the Pathogenesis of Atelectasis—*Mary Ellen Avery, M.D.* 324

LETTERS TO THE EDITOR 331

NEWS AND ANNOUNCEMENTS 334

BOOK REVIEWS 252, 268, 283

MEDICAL FILMS 224, 340

NEW PUBLICATIONS RECEIVED 341

RESÚMENES EN ESPAÑOL 343

CORRECTIONS 246, 333

NUMBER 3, SEPTEMBER

COMMENTARY

Pediatric Research and Pediatric Publication—*William M. Wallace, M.D.* 347

ARTICLES

Temperature Regulation in Infants with Chronic Hypoxemia—*Kurt Brück, M.D., Forrest H. Adams, M.D., and Monika Brück, M.D.* 350

Electrocardiographic Findings in Healthy Premature Infants—*O. Robert Levine, M.D., and Sylvia P. Griffiths, M.D.* 361

Bronchiogenic Mediastinal Cysts in Infants: Case Report and Review of the Literature—*T. Opsahl, M.D., and E. J. Berman, M.D.* 372

Bronchography in Infants and Children. I. A Non-fluoroscopic Technique—*William W. Waring, M.D., and Donald E. Killelea, M.D.* 378

Nasal Polyposis in Patients with Cystic Fibrosis—*Harry Shwachman, M.D., Lucas L. Kulczycki, M.D., Harry L. Mueller, M.D., and Carlyle G. Flake, M.D.* 389

The Liver in Juvenile Wilson's Disease—*Mervin Silverberg, M.D., and Sydney S. Gellis, M.D.* 402

Unusual Effects of Potassium Deficiency on the Heart of a Child with Cystinosis—*James D. Cherry, M.D., and Borys Surawicz, M.D.* 414

Studies of Neonatal Hyperphosphatemia—*John P. Connelly, M.D., Capt. USAF (M.C.), John D. Crawford, M.D., and John Watson, M.D., Capt. USAF (M.C.)* 425

Incontinentia Pigmenti: A Report of Three Cases in One Family—*Robert Jackson, M.D., F.R.C.P.(C), and Sueh Nigam, M.B., B.S.* 433

Recurrent Polyserositis ("Periodic Disease," "Familial Mediterranean Fever") in Children—*Tehila R. Shapiro, M.D., and Ernest N. Ehrenfeld, M.D.* 443

The Treatment of the Pierre Robin Syndrome—*Marvin H. Goldberg, M.D., and Roger H. Ecklblom, D.D.S.* 450

SPECIAL ARTICLES

Percutaneous Renal Biopsy in Children. III. The Nephrotic Syndrome—*W. F. Dodge, M.D., C. W. Daeschner, Jr., M.D., H. S. Rosenberg, M.D., J. C. Brennan, M.B., M.B.Ch., L. B. Travis, M.D., and H. C. Hopps, M.D.* 459

Percutaneous Renal Biopsy in Children. IV. The Collagen Diseases, Juvenile Diabetes Mellitus, and Idiopathic Hermaturia and Proteinuria—*W. F. Dodge, M.D., C. W. Daeschner, Jr., M.D., J. C. Brennan, M.B., M.B.Ch., H. S. Rosenberg, M.D., L. B. Travis, M.D., and H. C. Hopps, M.D.* 477

LETTERS TO THE EDITOR 497

NEWS AND ANNOUNCEMENTS 501

BOOK REVIEWS 360, 371, 413, 449, 505

NEW PUBLICATIONS RECEIVED 507

RESÚMENES EN ESPAÑOL 511

NUMBER 4, OCTOBER

COMMENTARIES

Primum Non Nocere—*Norman Kretchmer, M.D., Ph.D.* 513

Iron Needs in Infancy—*Irving Schulman, M.D.* 516

ARTICLES

Iron Intake, Hemoglobin, and Physical Growth during the First Two Years of Life—*Virginia A. Beal, M.P.H., Aldula J. Meyers, Ph.D., and Robert W. McCammon, M.D.* 518

Factors in the Growth of Children with Patent Ductus Arteriosus—*Richard Umansky, M.D., and Anna J. Hauck, M.D.* 540

Congenital Mitral Stenosis—*Larry P. Elliott, M.D., Ray C. Anderson, M.D., Ph.D., Kurt Amplatz, M.D., C. Walton Lillehei, M.D., and Jesse E. Edwards, M.D.* 552

Cardiac Complications of Cerebral Arteriovenous Fistula in Infancy—*O. Robert Levine, M.D., A. Gregory Jameson, M.D., Gerhard Nellhaus, M.D., and Arnold P. Gold, M.D.* 563

Urinary Excretion of Amines in Normal Children—*Thomas L. Perry, M.D., Kenneth N. F. Shaw, Ph.D., Dorothy Walker, and Dorothy Redlich, Ph.D.* 576
Urinary Excretion of Tryptophan Metabolites in the Healthy Infant—*Franco Vassella, M.D., Bo Hellström, M.D., and Bo Wengle, M.B.* 585
A Fatal Case of Erythema Multiforme Exudativum (Stevens-Johnson Syndrome) following Therapy with Dilantin—*John C. Watts, M.D.* 592
Fatal Liver Necrosis and Diphenylhydantoin Sensitivity—*Stanley E. Crawford, M.D., and Chester K. Jones, M.D.* 595
Renal Histology during Treatment with Oxazolidine-diones (Trimethadione, Ethadione, and Paramethadione)—*A. Bergstrand, M.D., C. G. Bergstrand, M.D., N. Engström, M.D., and K. M. Herrlin, M.D.* 601
Retroperitoneal Xanthogranuloma—*Melvin Krugly, M.D., Benjamin Emanuel, M.D., William Smallberg, M.D., and Secundino Veiga, M.D.* 608
Administration of Albumin in the Management of Hyperbilirubinemia by Exchange Transfusions—*Gerard B. Odell, M.D., Sanford N. Cohen, M.D., and Ellen H. Gordes, M.T.* 613
Protein Levels in Serum of Premature Infants Fed Diets Varying in Protein Concentrations—*Joseph B. Pincus, M.D., Isaac F. Gittleman, M.D., Emanuel Schmerzler, B.S., and Norma Brunetti, B.S.* 622
Metachromatic Leukodystrophy: Clinical, Histochemical, and Cerebrospinal Fluid Abnormalities —*Richard J. Allen, M.D., James J. McCusker, M.D., and Wallace W. Tourtellotte, M.D., Ph.D.* 629
Growth and Nutrition of Infants. The Influence of Diet and Other Factors on Growth—*Roberto Rueda-Williamson, M.D., M.Sc., and Hedwig E. Rose, M.B., Ch.B.* 639

SPECIAL ARTICLE

Thalidomide and Phocomelia—*Helen B. Taussig, M.D.* 654

AMERICAN ACADEMY OF PEDIATRICS

President's Message—"To See Ourselves as Others See Us"—*Carl C. Fischer, M.D.* 660

LETTERS TO THE EDITOR 664

NEWS AND ANNOUNCEMENTS 671

BOOK REVIEWS 551, 584

RESÚMENES EN ESPAÑOL 675

NUMBER 5, NOVEMBER

COMMENTARY

The Pediatrician and the Psychiatrist—*Randolph K. Byers, M.D.* 679

ARTICLES

Tuberous Sclerosis with a Localized Angiomatous Malformation in the Ileum and Excessive Albumin Loss into the Lower Intestinal Tract. Report of a Case—*N. Engström, M.D., A. Ljungqvist, M.D., B. Persson, M.D., and J. Wetterfors, M.D.* 681
The Etiology of Hypoproteinemia in a Patient with Congenital Chylous; Ascites—*Fred S. Rosen, M.D., David H. Smith, M.D., Ralph Earle, Jr., M.D., Charles A. Janeway, M.D., and David Gitlin, M.D.* 696
Lower Incidence of Sex Chromatin in Buccal Smears of Newborn Females—*David W. Smith, M.D., Philip M. Marden, B.A., Michael J. McDonald, B.S., and Mark Speckhard, M.D.* 707
An Epidemiological Investigation of a Streptococcal and Rheumatic Fever Epidemic in Dickinson, North Dakota—*Robert A. Zimmerman, Ph.D., Alan C. Siegel, M.D., and G. Patton Steele, B.S.* 712
Multiple Antigen Immunization of Infants against Poliomyelitis, Diphtheria, Pertrussis, and Tetanus. An Evaluation of Antibody Responses of Infants One Day Old to Seven Months of Age at Start of Inoculations—*Clarence I. Barrett, Jr., M.D., I. William McLean, Jr., M.D., Joseph G. Molner, M.D., Eugene A. Timm, Ph.D., and Charles F. Weiss, M.D.* 720
The Prevalence of Pyelonephritis in Children at Autopsy—*Harvey Spark, B.A., Luther B. Travis, M.D., Warren F. Dodge, M.D., C. Wm. Daeschner, Jr., M.D., and Howard C. Hopps, M.D.* 737

Congenital Pericardial Defects with Herniation of the Heart into the Pleural Space—*Edward R. Duffie, Jr., M.D., Arthur J. Moss, M.D., and James V. Maloney, Jr., M.D.* 746
Muscular Subaortic Stenosis in Childhood. Report of Occurrence in Three Siblings—*Roy S. Wood, M.D., W. Jape Taylor, M.D., Myron W. Wheat, Jr., M.D., and Gerold L. Schiebler, M.D.* 749
Congenital Cystic Adenomatoid Malformation of the Lung—*John Kwittken, M.D., and Leopold Reiner, M.D.* 759
Studies of Carbohydrate Metabolism in the Newborn Infant. V. The Effect of Cortisol on the Hyperglycemic Response to Glucagon—*William Oh, M.D., Gloria S. Baens, M.D., Claude J. Migeon, M.D., Susan H. Wybregt, M.D., and Marvin Cornblath, M.D.* 769
Neonatal Thrombocytopenic Purpura—*Bascom Anthony, M.D., and William Krivit, M.D., Ph.D.* 776
Fatal Pulmonary Disease Due to Pneumocystis Carinii in a 22-month-old Child—*M. L. Dreyfuss, M.D.* 784
A Preliminary Report on Vincristine Sulfate—A New Active Agent for the Treatment of Acute Leukemia—*Myron R. Karon, M.D., Emil J. Freireich, M.D., and Emil Frei, III, M.D.* 791
Familial Ectodermal Dysplasia with Sensori-neural Deafness and Other Anomalies—*Geoffrey C. Robinson, M.D., F.R.C.P.(C), James R. Miller, Ph.D., and Joseph R. Bensimon, M.D.* 797
Central Nervous System Sequelae in a Child following Aseptic Meningitis Associated with Leptospiral Infection—*Frederick Richardson, M.D., M.R.C.P., and Frederick C. Battaglia, M.D.* .. 803
Hydrocephalus and Meningocele: The Course of 100 Patients—*Robert E. Merrill, M.D., John B. Isom, M.D., Roberta M. Anslow, M.S.W., and Joseph A. Pinkerton, B.A.* 809

SPECIAL ARTICLES

Possibilities or a Preventive Psychiatry—*Leon Eisenberg, M.D.* 815
The Supportive Role of Pediatrics in an Inpatient Psychiatric Unit—*Henry S. Cecil, M.D., and Richard L. Cohen, M.D.* 829

AMERICAN ACADEMY OF PEDIATRICS

Presidential Address—The Academy—1961-1962—*Carl C. Fischer, M.D.* 836
Report—Seat Belts in the Prevention of Automobile Injuries 841

LETTERS TO THE EDITOR 844

WELCOME 850

NEWS AND ANNOUNCEMENTS 851

BOOK REVIEWS 748, 768, 775, 790

RESÚMENES EN ESPAÑOL 854

NUMBER 6, DECEMBER

COMMENTARY

Cardiopulmonary Changes in Respiratory Distress. Clinical Observation and Physiological Exploration—*Mary Ellen Avery, M.D.* 859

ARTICLES

Prevention of Viral Diseases—*Robert J. Warren, M.D., and Frederick C. Robbins, M.D.* 862
Parathyroid Function in Vitamin D Deficiency Rickets. I. Phosphorus Excretion Index in Vitamin D Deficiency Rickets in South African Bantu Infants—*L. S. Taitz, M.B., Ch.B., B.Sc., and C. D. de Lacy* 875
Parathyroid Function in Vitamin D Deficiency Rickets. II. The Relationship of Parathyroid Function to Bone Changes and Incidence of Tetany in Vitamin D Deficiency Rickets in South African Bantu Infants—*L. S. Taitz, M.B., Ch.B., and C. D. de Lacy* 884
Petit Mal Epilepsy—*Jean Holowach, M.D., Donald L. Thurston, M.D., and James L. O'Leary, M.D.* 893
The Effects of Prolonged Neonatal Hypoxemia on the Pulmonary Vascular Bed and Heart—*Richard L. Naeye, M.D., and Harry W. Letts, M.D.* 902
The Relationship of the Sodium, Potassium, and Chloride Concentration of the Feeding to the Weight Gain of Premature Infants—*Herbert I. Goldman, M.D., Samuel Karelitz, M.D., Hedda Acs, M.D., and Eli Seifter, Ph.D.* 909

Juvenile Lymphocytic Thyroiditis—*Krishna M. Saxena, M.D., and John D. Crawford, M.D.* .. 917
Three Episodes of Spontaneous Thyroid Storm Occurring in a Nine-year-old Child—*Charles P. Darby, M.D.* 927
Blood Pressure in Children with Diabetes Mellitus—*Arthur J. Moss, M.D.* 932
Amebic Perforation of the Intestine in Children—*C. de S. Wijesundera, M.B.B.S. (Ceylon), D.C.H. (Ceylon), and C. C. de Silva, M.D., F.R.C.P.* 937
The Dectection and Management of Pediatric Difficulties Created by Divorce—*Norman R. Bernstein, M.D., and John S. Robey, M.D.* 950
Influence of Family Environment on Growth: The Syndrome of "Maternal Deprivation"—*Robert G. Patton, M.D., and Lytt I. Gardner, M.D.* 957
Pulmonary Function in the Newborn Infant. I. Methods: Ventilation and Gaseous Metabolism—*N. M. Nelson, M.D., L. S. Prod'hom, M.D., R. B. Cherry, M.A., P. J. Lipsitz, M.D., and C. A. Smith, M.D.* 963
Pulmonary Function in the Newborn Infant. II. Perfusion: Estimation by Analysis of the Arterial-alveolar Carbon Dioxide Difference—*N. M. Nelson, M.D., L. S. Prod'hom, M.D., R. B. Cherry, M.A., P. J. Lipsitz, M.D., and C. A. Smith, M.D.* 975

SPECIAL ARTICLES

The Chloride Space, Arithmetic and Deficit Therapy. An Evaluation of this Parameter for Estimating Deficiencies of Extracellular Electrolytes in Disease—*James L. Gamble, Jr., M.D.* .. 990

A Note on Hospitalism—*Philip E. Rothman, M.D.* 995

CONTRIBUTORS' SECTION

Annual Summary of Vital Statistics—1961—*Myron E. Wegman, M.D.* 1000

AMERICAN ACADEMY OF PEDIATRICS

Acceptance of Presidency—*Clarence H. Webb., M.D.* 1005

LETTERS TO THE EDITOR 1007

CORRECTION 1014

NEWS AND ANNOUNCEMENTS 1015

BOOK REVIEWS 874, 999, 1020

MEDICAL FILM 1018

MISCELLANEOUS REVIEW 1019

RESÚMENES EN ESPAÑOL 1021

INDEX 1025